"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

ZEMLYANSKOV, V.D.; MAKAROV, M.P.

New developments in research. Stal' 25 no.10:956 O '65.
(MIRA 18:11)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, M.S.

Elaboration of the methods and the experience in results of biogeochemical prospecting for uranium deposits in a region of the Soviet Union. Vop. rud. geofiz. no.5:33-39 '65. (MIRA 18:9)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, M.S.

Method for finding radioactivity using the Stieltjes integral. Geol. i geofiz. no.5:153-[illegible] '60. (MIRA 13:9)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

KALMYKOV, A.M.; MAKAROV, M.S.

Careful handling and maintenance of pumps prevents the penetration of water into the lubricating oil of M753 and M756 diesel locomotives. Elek. i tepl. tiaga 7 no.10:23 O '63. (MIRA 16:11)

1. Starshiy zavodskoy inspektor Glavnogo upravleniya lokomotivnogo khozyaystva Ministerstva putey soobshcheniya (for Kalmykov). 2. Zavodskoy inspektor Glavnogo upravleniya lokomotivnogo khozyaystva Ministerstva putey soobshcheniya (for Makarov).

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

KALMYKOV, A.P.; MAKAROV, M.S.

Improvement of M753 and M756 diesel locomotive engines. Elek. i tepl. tiaga 7 no.6:10-11 Je '63. (MIRA 16:9)

1. Zavodskiy inspektor Glavnogo upravleniya lokomotivnogo khozyaystva Ministerstva putey soobshcheniya.
(Diesel locomotives)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

IVANOV, Yuriy Viktorov[illegible]
LASHIN, A.N.,

[Planning and a[illegible]
tions] Planirovanie [illegible]
kakh. Moskva, Statistika, [illegible]

1. Direktor Byuro mekhanizatsii [illegible]
schet (for Lashin).

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

KOROVINA, N.N.; MOLODTSOVA, A.N.; CHIKHACHEV, M.S.; MAKAROV, M.S., ted.; SAZONOV, N.M., red.

[Multiple-counter Askot-class 170 adding machine] Mnogoschetchikovaia summiruiushchaia mashina-avtomat Askota klassa 170. Moskva, Statistika, 1964. 135 p. (MIRA 18:1)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

KOKOTKIN, Vasiliy Ivanovich; MAKAROV, M.S., red.

[Design and technical maintenance of adding machines; models SDM-107, AES, SDM-133, AESVe, and AESM] Konstruktsiia i tekhnicheskoe obsluzhivanie summiruiushchikh mashin; modelei SDM-107, AES, SDM-133, AESVe, AESM. Moskva, Statistika, 1965. 146 p. (MIRA 18:7)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

GALKIN, G.V.; GRANOVSKAYA, A.Yu.; MAKVETSOV, Ye.N.; SPIGLAZOV, Ye.F.; RYAZANKIN, V.N., red.; MAKAROV, M.S., red.

[Punched-card computing machines: P80-5, P80-6, PA80-2 perforators, K80-6, K45-6, KA80-2 controllers, and S80-5, S45-5, S80-5M, S45-5M sorting units] Schetno-perforatsionnye mashiny; perforatory P80-5 P80-6, PA80-2, kontrol'niki K80-6, K45-6, KA80-2 i sortirovki S80-5, S45-5, S80-5M, S45-5M. Moskva, Statistika, 1965. 207 p. (MIRA 18:9)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

SUPIN, Nikolay Ya[illegible]

[Operation of the [illegible] and the PK-20(A)-4 [illegible] itogovo-[illegible] reproduktora PK-[illegible], Stal[illegible]

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

SARIN, Mikhail Il'ich; STUL'PINAS, Mechislav Iozo; YAKOBSON, Lyuis Solomonovich; SURIN, N.M., red., red.; MAKAROV, M.S., red.

[Use of a PR 80-2 reproducing punch] Primenenie reproduktsionnogo perforatora PR 80-2. Moskva, Statictika, 1965. 44 p. (MIRA 18:11)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

BOLDYREVA, O.D;MAKAROV, M.S.

Variation of bone marrow puncture. Sovet. med. no.9:31-32 Sept 1950. (CLML 20:1)

1. Of the Obstetric-Gynecological Clinic (Head -- Prof. Ye. Ya. Stavskaya) and of the Clinic of Hospital Surgery (Head -- Prof. P. M. Kovalevskiy), Stavropol' Medical Institute (Director -- P. V. Polosin).

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

USSR/[illegible] Biology. General Questions

Abs Jour: Ref Zhur-Biol., No 20, 1958, 90326.

Author : Makarov, M.S.
Inst : Stavropol Medical Institute.
Title : The Transformation of Segmented Leukocytes in an in Vitro Culture.

Orig Pub: Uch. zap. Stavropol'sk. med. in-t, 1957, vyp. 1, 225-230.

Abstract: Leukocytes from pleural exudations and ascitic liquid of the human body were cultivated in the following preparations: in smears and according to the precipitate culture method. Altogether 54 series of experiments were made, consisting of 426 cultures. 4 groups of morphologically distinct neutrophilic leukocytes were discovered which showed the ability to transform into permanent cells of the connecting tissue. The granular leukocytes were transformed in cultures more

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Card : 2/2

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, M.S., dotsent; VOLOCHAYEV, K.V.

Echinococcosis of the spine and a rib simulating a parasitic cyst of the right lung and the posterior mediastinum. Nauch. zap. Stavr. gos. med. inst. 8:226-231 '63 (MIRA 17:7)

1. Kafedra gospital'noy khirurgii (zav. - prof. I.I. Volovskiy) Stavropol'skogo meditsinskogo instituta (rektor - zasluzhennyy deyatel' nauki, prof. V.G. Bodyagin) i 1-y pediatricheskoye otdeleniye 4-y gorodskoy bol'nitsy Stavropolya (glavnyy vrach A.A. Taraasov).

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, M.S., dotsent

Phase contrast apparatus in the observation of precipitation cultures. Uch. zap. Stavr. gos. med. inst. 12:184-185 '63.
(MIRA 17:9)

1. Kafedra gospital'noy khirurgii (zav. prof. P.M. Kovalevskiy) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, M.S., dotsent

Method of treating a humpback in tuberculos spondylitis.
Uch. zap. Stavr. gos. med. inst. 12:263-264 '63.

(MIRA 17:9)

1. Kafedra gospital'noy khirurgii (zav. prof. P.M. Kovalevskiy) Stavropol'skogo gosudarstvennogo meditsinskogo instituta.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, M.S., dotsent

Prevention of kyphosis in spondylitis by means of removal of the destroyed vertebra, followed by spinal correction and fixation. Khirurgiia 40 no.5:15-20 My '64. (MIRA 18:2)

1. Kafedra gospital'noy khirurgii (zav.- prof. P.M. Kovalevskiy) Stavropol'skogo meditsinskogo instituta.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAK[illegible], [illegible]., [illegible]AHIN, A.I.

[illegible]ynating of vegetable substances. Vop. pit. 24 no.5 25-32 '65. (MIRA 18:9)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

L 7989-66 EWT(m) MW

ACC NR: AP5026543 SOURCE CODE: UR/0286/65/000/019/0087/0087

AUTHOR: Makarov, M. V.

ORG: none

TITLE: Pressure transducer. Class 42, No. 175276

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 19, 1965, 87

TOPIC TAGS: pressure transducer, differential manometer, measuring instrument, pressure measurement

ABSTRACT: This Author Certificate describes a pressure transducer containing two measuring and two evacuated bellows, a force compensation system, and a programming regulating mechanism (see Fig. 1). To measure the ratio and difference of two pressures and to increase the reliability during accelerated conditions, the bellows are arranged symmetrically in a common plane at right angles to each other, and are connected kinetically with the common movable center which interacts with the force compensation system. To increase the accuracy of measurement and to extend the measuring range, the force compensation system consists of two interconnected frames with noncoincident turning axes which interact with the programming regulating

Card 1/3

UDC: 531.767.2

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

L 7989-66
ACC NR: AP5026543

mechanism.

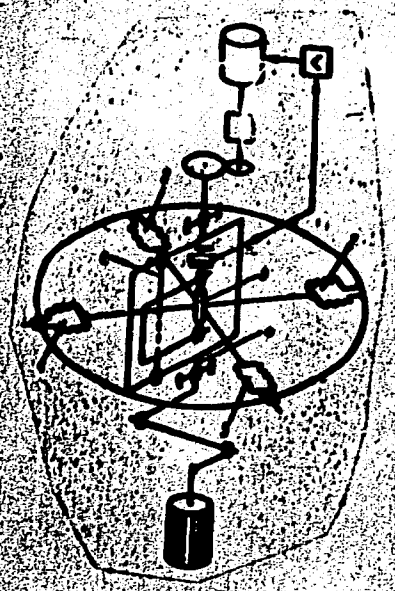

Fig. 1. 1- turning axis of inner frame; 2- evacuated bellows; 3- common center; 4- turning axis of outer frame; 5- measuring bellows

Card 2/3

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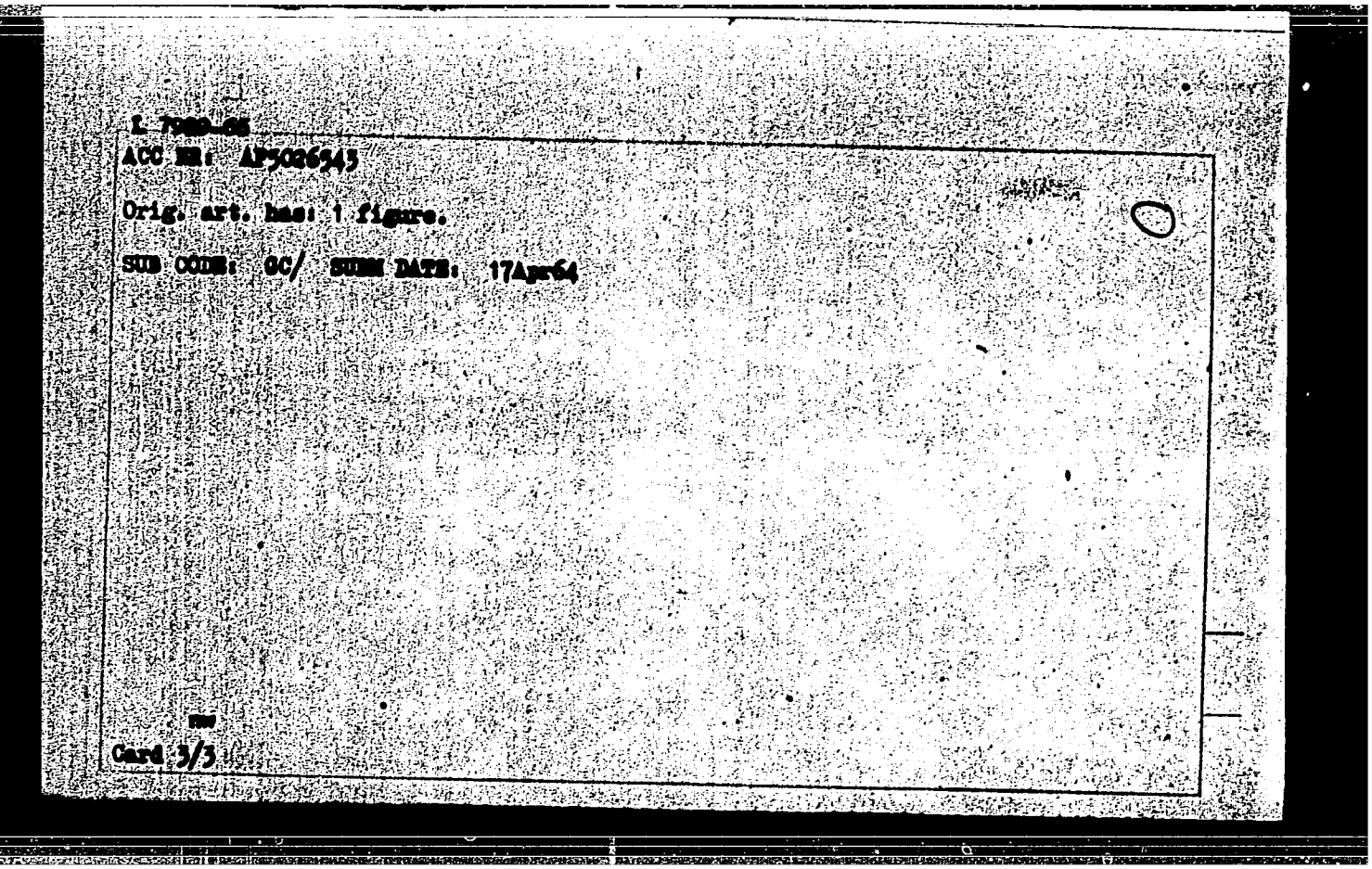

L 7980-66
ACC NR: AP5026543
Orig. art. has: 1 figure.
SUB CODE: OC/ SUBM DATE: 17Apr64
Card 3/3

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.

We are checking title documents carefully. Fin. SSSR 23 no.12: 50-51 D '62. (MIRA 16:1)

1. Zamestitel' upravlyayushchego Novgorodskoy oblastnoy kontoroy Stroybanka.

(Novegorod Province—Banks and banking)
(Novgorod Province—Construction industry—Finance)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.

It is the first mistake that costs. Za bezop.dvizh. 6 no.7: 12-13 Jl '63. (MIRA 16:10)

1. Otdel regulirovaniya ulichnogo dvizheniya Gosudarstvennoy avtomobil'noy inspektsii.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

B I/II

Section I

Differences in boron and zinc requirements of plants in different environmental conditions. M. Ya. Shkolnik and N. A. Maksarov (*C. R. Acad. Sci. URSS*, 1949, 68, 409—412).—The toxic effect of traces of Ca on sunflower seedlings grown at 20—30° is virtually absent at 9—12°. Traces of B or Zn counteract the effect of Ca at the higher temp.

R. Truscott

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

AVERKIYEV, N.P.; YEFIMOV, P.A.; MAKAROV, N.A.

[Collective farm "XX Parts"ezd"] Kolkhoz imeni XX parts"ezda. Leningrad, Lenizdat, 1959. 125 p. (MIRA 13:12)
(Collective farms)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

BORISOVA, I.V., kand. ekonom. nauk; KISLOVA, T.A., dots.; MAKAROV, N.A., starshiy prepodavatel'; POLYANSKIY, Ye.V., dots.; GRINSHPON, F.O., red.; MALYAVKO, A.V., tekhn. red.

[Economics, organization, and planning in forestry] Ekonomika, organizatsiia i planirovanie lesnogo khoziaistva. L'vov, Izd-vo L'vovskogo univ., 1961. 302 p. (MIRA 15:3)
(Forests and forestry--Economic aspects)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.A., inzhener.

Adjusting the ASU-11 automatic synchronizer. Elek.sta. 24 no.8:57 Ag '53. (MLRA 6:8)
(Electric machinery)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.A.

YEVTYUTOV, A.A.; MAKAROV, N.A.; PLYUSHKIN, M.Z.; CHEMODANOV, V.S.

Discussion at the Urals' aluminum plant of V.A. Mazel's book "Production of alumina." A.A. Evtiutov and others. TSvet. met. 29 no.10:85-86 O '56. (MLRA 9:12)

(Alumina)
(Mazel, V.A.)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N. A.; SAMOKHVALOV, L. N.; GOLUBEV, A. I.;

"Filling the Pores of Oxide Films Obtained by Anodic Oxidation of Aluminum and Its Alloys," Korroziya i azshchita metallov (Corrosion and Protection of Metals), Moscow, Oborongiz, 1957. 366 p.

PURPOSE: This book is intended for engineering, technical and scientific personnel, at industrial plants, research institutes, and design offices working in the field of corrosion-protection of stainless steel, high-strength structural steel, and light alloys.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

SOV/137-58-9-19601

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 210 (USSR)

AUTHORS: Golubev, A.I., Makarov, N.A., Samokhvalov, L.N.

TITLE: The Building Up of Oxide Films Obtained by the Anodic Oxidation of Aluminum and its Alloys (Napolneniye okisnykh plenok, poluchayemykh anodnym oksidirovaniyem alyuminiya i yego splavov)

PERIODICAL: V sb.: Korroziya i zashchita metallov. Moscow, Oborongiz, 1957, pp 354-367

ABSTRACT: The causes of the appearance of "white spots", which form upon the building up of an anode oxide film (F) in tap water at 90-95° were investigated. It is assumed that the process of building up of F in water acidulated with H_2SO_4 should be regarded as the chemical reaction of the solution with the oxide F. The "whiteness" (W) may appear as a result of insufficient time for building up the F or as a result of its treatment in water at low pH (2.8-3.9). In the latter case, probably, the oxide F reacts not only with water but also with the SO_4^{2-} forming on the walls of the pores of the $Al_2(SO_4)_3$ and other S-containing compounds which contribute to a stronger

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The Building Up of Oxide Films (cont.)

adsorption of water or lacquer solvent during the building up and subsequent coloring. This causes the appearance of W. The local distribution of W might be the result of an unevenness in the thickness and porosity of F. W does not appear upon the building up in water at pH 4. W appearing earlier disappears upon the second building up at pH 4.5. A new method for colorless building up anode F on plated material in a solution containing 10 g/l NH_4NO_3 and 0.05 g/l $(NH_4)_2HPO_4$ was developed.

V.G.

1. Aluminum--Oxidation 2. Oxide films--Development 3. Electrolytes--Properties
4. Sulfuric acid--Applications 5. Water--Performance

Card 2/2

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

DOKHMAN, S.A.; MAKAROV, N.A.; KULIKOVA, T.K.; ROTGAUZ, I.I.; FILIPP, K.I.

New formation method for selenium cells. Prom.energ. 14 no.3:39-40 Mr. '59. (MIRA 12:4)
(Selenium cells)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.A., inzh.

New lifeboat. Sudostroenie 25 no.9:6-7 S '59.
(MIRA 12:12)

(Lifeboats)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

S/133/60/000/011/015/023
A054/A029

AUTHORS: Boguslavskiy, Ya.K.; Makarov, N.A.; - Engineers

TITLE: Protection of the Main Driving Machines of 1,150-mm Blooming Mills According to the Main Effective Value

PERIODICAL: Stal', 1960, No. 11, pp. 1,024 - 1,025

TEXT: In the blooming mill shop of the Dzherzhinskiy Plant a new technology was introduced, comprising forced operation and processing of two blooms on the stand simultaneously. This method meant a considerable increase of machining time and consequently the motors of the main drive had to be switched on 35 - 50% longer. Especially the motor of the driving wheel was exposed to this additional strain and as a result of this longer operating time, the slip of the motor at the end of the pass increased and consequently the load on the driving wheel became greater as well. The load of the asynchronous motor according to the mean effective value attained 125% of the rated current intensity while a number of other factors also contributed to the overload of the motor. For the purpose of controlling the load of the asynchronous motor continuously, a new system was applied, based on the principle that the heating up of the stator winding of the asynchronous motor was determined by the value of losses propor-

Card 1/3

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

Protection of the Main Driving Machines of 1,150-mm Blooming Mills According to the Main Effective Value

tional to the mean effective stator current. In order to prevent overheating of the motor, the following inequality has to be maintained:

$$I_n^2 T_c \geq \int_0^{T_c} i^2 dt \quad \text{or} \quad I_n^2 T_c \geq A, \tag{1}$$

where I_n is the nominal stator current (436 amp) intensity; T_c the interval of time during which the mean effective current must not be higher than the nominal current (this interval was assumed to be 15 min). [Abstractor's note: Subscripts n and c are translations of the original н (nominal) and ц (cycle)]. A is the value which was proportional to the energy losses in the stator winding. The value of A was determined with an induction counter of losses, the contacts of which are connected when

$$A = I_n^2 T_c = \frac{436^2 \cdot 15}{60} \approx 47,500 \text{ a}^2 \text{ hour}$$

Card 2/3

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

S/133/60/000/011/015/023
A054/A029

Protection of the Main Driving Machines of 1,150-mm Blooming Mills According to the Main Effective Value

Thus, the control of the motor load is realized by maintaining during T intervals an A value not higher than $I_n^2 T_c a^2$ hour. The contacts of the time-interval relay disconnect every 15 minutes, dropping the contact mechanism to zero. The scheme also provides measures to prevent the bloom from being retained on the rollers, moreover, a protection is also provided against the maximum slip of the motor, preventing rolling at slips above 25% and permitting the operation to continue only when the slip did not rise above 8-10%. There is a description of the protective scheme. There is 1 figure.

ASSOCIATION: Zavod imeni Dzherzhinskogo (Plant imeni Dzherzhinskiy)

Card 3/3

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

L 27722-66

ACC NR: AP6000142 (M) SOURCE CODE: UR/0229/65/000/008/0066/0069

AUTHOR: Makarov, N. A.

ORG: None

TITLE: Motorboat for salvage ships

SOURCE: Sudostroyeniye, no. 8, 1965, 66-69

TOPIC TAGS: shipbuilding engineering, marine equipment

ABSTRACT: A description of the motorboat "Burevestnik" is presented. It was designed to be carried in parent salvage ships. The essential data on this motorboat are as follows:

Max. length	11 m
Max. width	3 m
Side height (midship)	1.5 m
Displacement (with 20 passengers)	8.63 ton
Load draft	0.82 m
Lift weight	7.03 ton
Initial transverse metacentric height (with 20 passengers)	0.87 m
Seaworthiness (Beaufort wind scale)	5

UDC: 629.125.52

Card 1/2

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

L 27722-66

ACC NR: AP6000142

Speed (free)	9.3 knots
Speed (with 1000 kg on tow-hook)	7.2 knots
Tow-pull (mooring)	2000 kg
Operating radius (full speed)	270 miles
Operating radius (at 6 knots)	650 miles
Crew	3 men
Complement (normal)	20 men
Max. complement (at wind force 3)	50 men
Load (normal)	2 ton
Max. load (at wind force 3)	4 ton
Two diesels, each	55 hp at 1750 rpm
Two d-c generators, each	1500 w, 24 v
Two storage batteries, each	180 amp-hr, 24 v

The motorboat design was illustrated by the side, top and sectional views. Two photos show the motorboat put to the navigation test in the sea. The tow-speed characteristics were plotted for different barge-tonnages taken in tow. The series production of motorboats will start in 1966. Orig. art. has: 4 figures.

SUB CODE: 13 / SUBM DATE: None / ORIG REF: 000 / OTH REF: 000

Card 2/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

AUTHORS: Yur'yev Yu. K. Makarov N. B. 79-28-4-8/60

TITLE: 1,4-Oxyketones and 1,4-Diketones in the Catalytic Synthesis of Δ^1-Pyrroline-, Δ^1-Dihydro-Thiophene Homologs and of the Pyrrole and Thiophene Homologs Respectively (1,4-oksiketony i 1,4-diketony v kataliticheskom sinteze gomologov Δ^1-pirrolina, Δ^1 digidrotiofena i sootvetstvenno gomologov pirrola i tiofena)

PERIODICAL: Zhurnal Obshchey Khimii, 1958, Vol. 28, Nr 4, pp. 885-891 (USSR)

ABSTRACT: As can be seen from previous papers (Refs. 1-8) saturated as well as unsaturated 1,4-diols are introduced in the catalytic synthesis of 5-membered heterocycles. On this occasion the double or triple binding had the central position in the case of the latter, and it was between the second and the third carbon atoms in this system of four carbon atoms. In this connection it was of interest to introduce the most simple 1,4-ketone alcohol as well as 1,4-diketone into the described synthesis. These are bound to react in joint catalytic dehydration with ammonia, with amines or

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1,4-Oxyketones and 1,4-Diketones in the Catalytic Synthesis of Δ^2-Pyrroline-, Δ^2-Dihydro Thiophene Homologs and of the Pyrrole and Thiophene Homologs Respectively

79-28-4-8/50

with hydrogen sulfide in the enol form like unsaturated diols with one and correspondingly hydroxyl groups with the carbon atoms of double bond. In the present work the authors used γ acetopropyl alcohol as representative of the 1,4-oxyketones. It reacted like pentene-2-diol-2,5 in the enol form under the action of ammonia in the presence of aluminum oxide at increased temperature and produced the 2 methyl-Δ^1-pyrroline (50%) under the action of aniline-1-phenyl-2 methyl-Δ^2-pyrroline (58%) and under the action of hydrogen sulfide 2-methyl-Δ^2-dihydro tiophene (38,5%) (Ref 9). It was found that in the reactions described the precipitation of water and the closing of the nitrogen or sulfur containing cycles takes place directly by means of joint catalytic dehydration of ammonia, the amines or of hydrogen sulfide as well as of the 1,4-diols and also of the 1,4 oxyketones or 1,4-diketones in their enol form. Consequently the formation of 2-methyl-Δ^2-dihydro-furan is no obligatory intermediate stage in catalythic synthesis of 2-methyl-Δ^1-pyrroline from γ-acetopropyl alcohol and ammonia. Conclusion: 1,4-oxyketones and 1,4-diketones can

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1,4-Oxyketones and 1,4-Diketones in the Catalytic Synthesis of Δ^1-Pyrroline- Δ^1-Dihydro-Thiophene Homologs and of the Pyrrole and Thyophene Homologs Respectively

79-28-4-8/60

be used successfully in the catalytic synthesis of 5-membered nitrogen- and sulfur containing heterocyclic compounds. The joint catalytic dehydration of γ-acetopropyl alcohol with ammonia, aniline, and hydrogen sulfide in the presence of aluminum oxide at 325-330° represents a good method for the corresponding synthesis of 2-methyl- Δ^1-pyrroline, 1-phenyl-2-methyl- Δ^1-pyrroline, and 2-methyl- Δ^1-dihydro thiophene. In the case of joint catalytic dehydration of acetonylacetone with ammonia and hydrogen sulfide at 325° in the presence of aluminum oxide the corresponding 2,5-dimethyl pyrrole, 1-phenyl-2,5-dimethyl pyrrole, and 2,5-dimethyl thiophene form.
There are 3 tables and 28 references, 17 of which are Soviet.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet (Moscow State University)

SUBMITTED: March 20, 1957

Card 3/3

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

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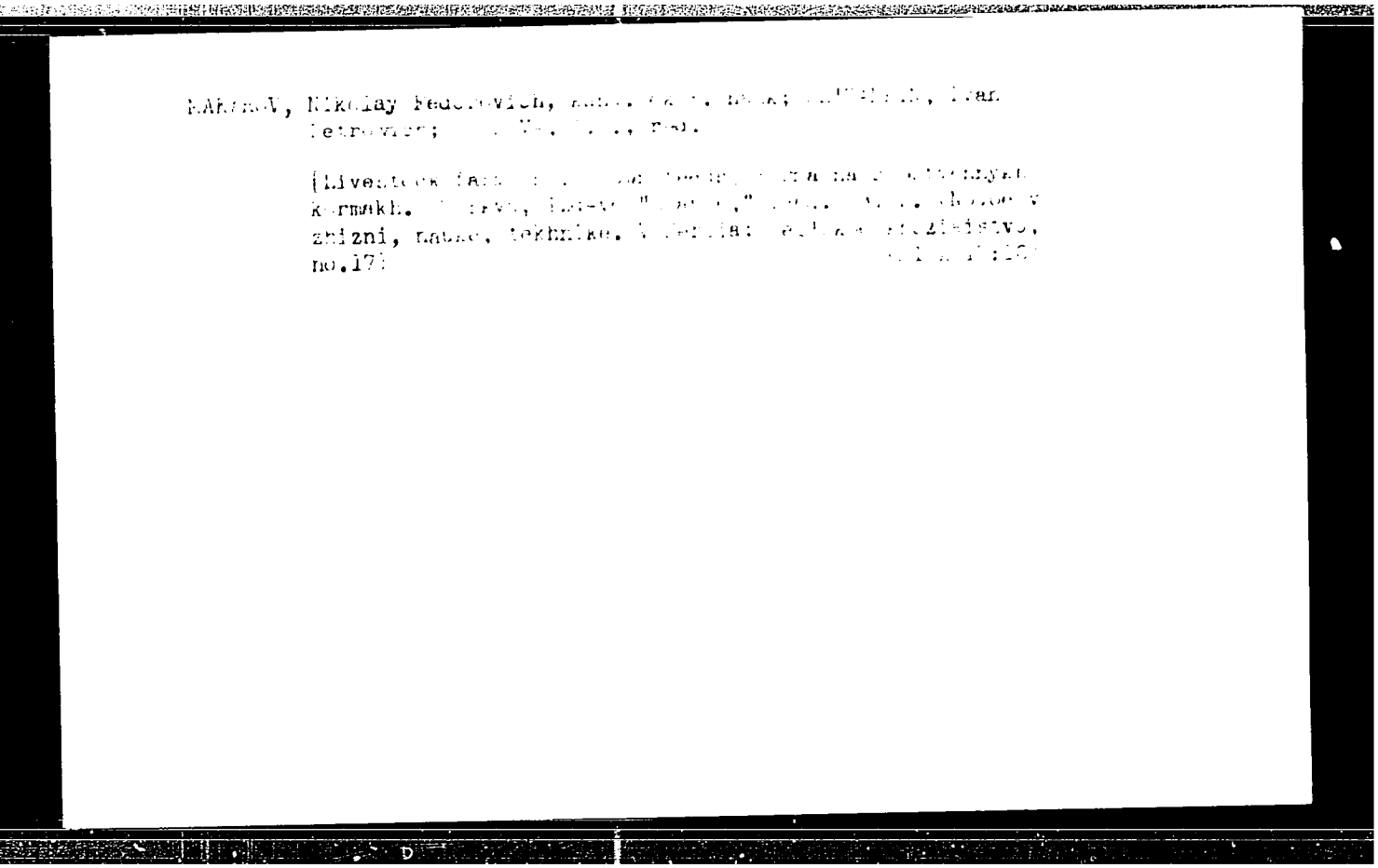

MARKOV, Nikolay Fedorovich, [illegible]

[Livestock [illegible] Kormakh. [illegible] zhizni, nauke, tekhnike. [illegible] no.17]

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

KHOKHLACHEV, P.V.; MAKAROV, N.F.; LISOVICH, G.M.; TERESHCHENKO, N.I., rev.

[The journal-voucher accounting system on collective farms] Zhurnal'no-ordernaia forma ucheta v kolkhozakh. Moskva, Kolos, 1964. 142 p. (MIRA 17:12)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

PAL'CHUK, N.Yu., Eng.; MAKAROV, N.I., Eng.; MAKEYEV, M.G., Eng.; BRODOVICH, N.V., Eng.; LIBER, M. I., Eng.

Electric Welding

Welding with electrode cluster. Avtog. delo, 23, No. 6, 1952.

9. Monthly List of Russian Accessions, Library of Congress, October 1952, Uncl.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

ZAV'YALOV, L.N., kand. tekhn. nauk; MAKAROV, N.I., inzh.

Organizing underground laboratory work. Izv. vys. ucheb. zav.; gor. zhur. no.8:139-141 '58. (MIRA 12:5)

1.Dal'nevostochnyy politekhnicheskiy institut.
(Mining research)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I., inzh.

Effective diameter of blast holes. Shakht. stroi. 5 no.7:12-14 Jl '61. (MIRA 15:6)

1. Dal'nevostochnyy politekhnicheskiy institut.
(Blasting) (Boring)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I.

Special problems in operating open kilns in winter. TSement 26 no.5:27 S-O '60. (MIRA 13:10)
(Nizhniy Tagil--Cement kilns--Cold weather operation)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I.

New method of retrieving [illegible]. Cement 4 no. 1
19-20 Mr-Ap '38. (MLA 7:5

1. Glavnyy inzh. N.zhne-Tagil'skogo [illegible]-mekh. zavoda.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I., inzh.

Relation between the rate of drilling with rock drills and the depth of the boreholes and the shape and diameter of the bit. Nauch. soob. IGD 18:80-87 '63. (MIRA 16:11)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I., inzh.

Graphoanalytical method of calculating basic parmeters for the mining cycle. Izv. vys.uchev.zav.:gor.zhur. 7 no. 4: 54-60 '64. (MIRA 17:7)

1. Dal'nevostochnyy politekhnicheskiy institut imeni V.V. Kuybysheva. Rekomendovana kafedroy razrabotk mestorozhdeniy poleznykh iskopayemykh.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

L 05829-67 EWT(d)/EWT(m)/EWP(w)/EWP(v)/EWP(t)/ETI/EWP(k) IJP(c) JD/HM/FM

ACC NR: AP6027952 SOURCE CODE: UR/0020/66/169/003/0565/0568

AUTHOR: Rykalin, N. N. (Corresponding member AN SSSR); Uglov, A. A.; Makarov, N. I.

ORG: Institute of Metallurgy im. A. A. Baykov (Institut metallurgii)

TITLE: Heating of a two-layered plate during welding by laser beam

SOURCE: AN SSSR. Doklady, v. 169, no. 3, 1966, 565-568

TOPIC TAGS: welding, laser application, temperature distribution

ABSTRACT: The authors consider the problem of temperature distribution in a two-layered plate during welding by laser beam. A solution is found for the system of equations

$$\frac{1}{a_1}\frac{\partial t_1}{\partial \tau} = \frac{\partial^2 t_1}{\partial r^2} + \frac{1}{r}\frac{\partial t_1}{\partial r} + \frac{\partial^2 t_1}{\partial z^2}$$

in the region $\tau > 0$, $r_0 \geqslant r \geqslant 0$, $h \geqslant z \geqslant 0$;

$$\frac{1}{a_2}\frac{\partial t_2}{\partial \tau} = \frac{\partial^2 t_2}{dr^2} + \frac{1}{r}\frac{\partial t_2}{\partial r} + \frac{\partial^2 t_2}{\partial z^2}$$

in the region $\tau > 0$, $r_0 \geqslant r \geqslant 0$, $l \geqslant z \geqslant h$. The boundary conditions and initial conditions are given and the problem is solved by using Laplace transforms. Graphs are given showing the results of numerical calculations for temperature distribution with

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ACC NR: AP6027952

respect to radius in a single-layer aluminum plate and in two-layer plates with an upper aluminum layer and a lower silicon layer. The temperature was calculated for the moment corresponding to the end of pulse action (pulse duration $8 \cdot 10^{-3}$ sec). The plates were assumed to have dimensions of r_0=1 cm, h=0.02 cm and l=0.3 cm. The calculations of temperature distribution for values of F_0 at which the temperature on the surface in the center of the plates is less than the boiling temperature of aluminum (1800°C) give $0.39 \cdot 10^6$ cal/cm^2·sec for a single-layered plate and $0.29 \cdot 10^6$ cal/cm^2·sec for a two-layered plate. Isotherms at 660°C show a melting depth in the upper layer of the two-layered plate considerably greater than that for a single-layered plate in spite of the fact that F_0 is greater for the single-layered plate. Orig. art. has: 3 figures, 39 formulas.

SUB CODE: 20/ SUBM DATE: 13Apr65/ ORIG REF: 003

bimetals

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APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N. I.

33096

Zemlyanye Raboty Na Stroitel, Stve Moskovskogo Gosudarstvennogo Universiteta. Mekhanizatsiya Trudoemkikh I Tyazhelykh Rabot, 1949, No 10, c. 5-9.

SO: Letopis' Zhurnal'nykh Statey, Vol. 45, Moskva, 1949

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N. I.

USSR/Scientific Organization - Moscow University Oct 53

"A Victory of Soviet Constructors - the New Buildings of Moscow State University," A.V. Voronkov, Chief of Construction, and N.I. Makarov, Asst Chief of Tech Dept of Construction

Vest Mos Univ, Ser Fizikomat i Yest Nauk, No 7, pp 5-12

State that the high 32-story 'Glavnoye Zdaniye Universiteta' (Main Building of the University) is the center of future construction to rise in the new southwest rayon of Moscow, where two million m^2 of living space will be constructed by 1960.

273T98

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

VORONKOV, A.V.; MAKAROV, N.I.

Victory of Soviet building engineers. Vest.Mosk.un. 8 No.10:5-12 O '53. (MLRA 7:1)

1. Nachal'nik stroitel'stva (for Voronkov). 2. Zamestitel' nachal'nika tekhnicheskogo otdela stroitel'stva (for Makarov).
(Moscow university--Buildings)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

VORONKOV, A.V.; MAKAROV, N.I.; SVERDLOV, N.B.; FILIMONOV, I.N.

Engineering equipment of the new buildings of Moscow State University. Gor.khoz.Mosk. vol.27 no.9:11-16 S '53. (MLRA 6:10)
(Moscow University)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I., gorn.inzh.; IVANOVSKIY, I.[illegible], gorn.inzh.

Hydraulic press for bending rails. Gor.zhur. no.6:75 Je '60.
(MIRA 13:2)

1. Dal'nevostochnyy politekhnicheskiy institut.
(Hydraulic presses)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I., inzh.

Selection of the diameter of boreholes. Izv. vys. ucheb. zav.; gor. zhur. 6 no.6:84-87 '63. (MIRA 16:8)

1. Dal'nevostochnyy politekhnicheskiy institut imeni Kuybysheva. Rekomendovana kafedroy burovzryvnogo dela.
(Boring) (Blasting)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

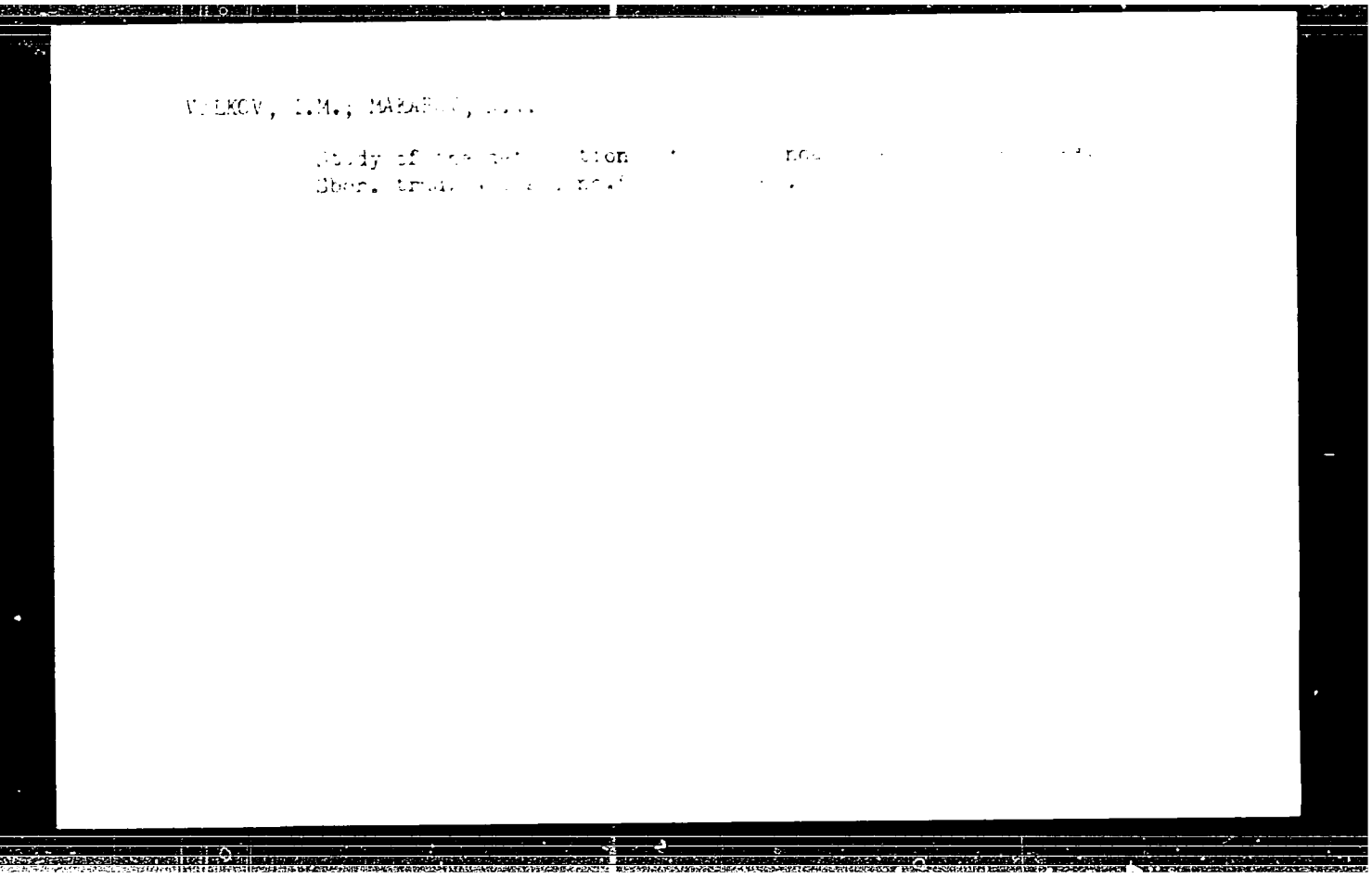
MAKAROV, N.I., inzh.

Determination of the most efficient distance between sidings.
Shakht. stroi. 7 no.12:18-19 D'63. (MIRA 17:5)

1. Dal'nevostochnyy politekhnicheskiy institut imeni
V.V. Kuybysheva.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4



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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I.

USSR/Medicine - Tularemia, Epidemiology

FD-2594

Card 1/1 Pub. 148 - 5/25

Author : Olsuf'yev, N. G.; Kucheruk, V. V.; *Makarov, N. I.; *Borodin, V. P.; Petrov, V. G.; and Selyanin, Ye. P.

Title : The structure of a natural reservoir of river valley type tularemia

Periodical : Zhur. mikro. epid. i immun. 4, 27-31, Apr 1955

Abstract : The results of a three year study of the ecological relationships between the rodents and insects which act as hosts and vectors of Pasteurella tularensis in an unnamed river valley in the USSR are given. Epizootic and epidemiological data reveal the connections between the yearly flooding of the valley and outbreaks of tularemia among its animal and human inhabitants. Mosquitoes, gnats, and horse-flies act as mechanical vectors. The ticks, Dermacentor marginatus and Rhipicephalus rossicus, maintain the infection during the interepidemic period and constantly transmit it to the water rats, Arvicola terrestris, and other mouse-like rodents. The names of the 12 scientists who carried out the study are listed. No references are cited.

Institution : Institute of Epidemiology and Microbiology imeni Gamaleya (Director - G. V. Vygodchikov); Stalingrad Sanitary-Epidemiological Station (*Head - Cand Med Sci N. I. Makarov); Stalingradskaya Oblast Anti-Tularemia Station (*Head Physician - V. P. Borodin)

Submitted : December 31, 1954

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N. I.; MAKAROVA, Ye.P.; BAGAYEVA, V.T.

Seasonal and age susceptibility of the lesser suslik (Citellus pygmaeus Pall.) to tularemia infection. Zool.zhur. 34 no.3: 652-657 My-Je '55. (MLRA 8:8)

1. Stalingradskaya stantsiya Ministerstva zdravookhraneniya SSSR (Tularemia) (Susliks--Diseases)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N. I., BORODIN, V. P., PETROV, V. G., OLSUF'YEV, N. G., KUCHERUK, V. V., and SELYANIN, YE. P.

"Concerning the Structure of Natural Foci of Tularemia of the River-bottom Type." Proceedings of Inst. Epidem. and Microbiol im. Gamaleya 1954-56.

Division of Parasitology and Medical Zoology, Pavlovskiy, Yevgeniy Nikanorovich, Active Member of Academy of Medical Sciences USSR, head. Inst Epidem and Microbiol. im. Gamaleya AMS USSR.

SO: Sum 1186, 11 Jan 57.

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I.; MAKAROVA, Ye.P.

Role of the marmot in the preservation of plague infection during the interepizootic season. Izv.Irk.gos.nauch.-issl.protivochum. inst. 15:83-87 '57. (MIRA 13:7)
(MARMOTS--DISEASES AND PESTS) (PLAGUE)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I.; SHVARTS, Ye.A.; MAKAROVA, Ye.P.

Ectoparasites of the marmot (Marmota baibacina) and their significance as plague carriers. Izv.Irk.gos.nauch.-issl.protivochum.inst. 15:311-318 '57. (MIRA 13:7)
(PARASITES--MARMOTS) (PLAGUE)
(INSECTS AS CARRIERS OF DISEASE)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

USSR / Microbiology. Microbes, Pathogenic to Man and Animals. Bacteria. Pasteurellae. F

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19553

Author : Makarova, Ye. P.; Makarov, N. I.
Inst : Irkutsk Scientific-Research Antiplague Institute of Siberia and the Far East
Title : Problem of the Disseminating Capacity of the Plague Microbe, Obtained from the Organs of Tien-Shang Marmots

Orig Pub : Izv. Irkutskogo n.-i. protivochumn. in-ta Sibiri i Dal'n. Vost., 1957, 15, 103-107

Abstract : Blood, organs and tissues of 144 Tien-Shang marmots, who had died from experimental plague, were strewn over agar with Fields digestant and over semiliquid Klodnitsskiy

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

USSR / Microbiology. Microbes, Pathogenic to Man and Animals. Bacteria. Pasteurellae. F

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19553

agar (0.15-0.25%). In 136 cases (96%), a culture of the plague bacilli from the organs and tissues or blood was obtained; only in 4 cases, in the absence of pathologic-anatomic changes at dissection, was it possible to obtain them in both media. The authors believe that the semiliquid agar permits the isolation of plague microbes in those cases where their isolation in the usual agar with Fields digestant was not successful. It is pointed out in the remarks of the editorial office that the practice of applying semiliquid agar under the conditions of Siberia and the Far

Card 2/3

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

USSR / Microbiology. Microbes, Pathogenic to Man and Animals. Bacteria. Pasteurellae. F

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19553

East does not justify itself. -- G. Ye. Frumkina

Card 3/3

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

USSR / Microbiology. Microbes, Pathogenic to Man and Animals. Bacteria. Pasteurellae. F

Abs Jour : Ref Zhur - Biologiya, No 5, 1959, No. 19552

Author : Makarova, Ye. P.; Makarov, N. I.
Inst : Irkutsk Scientific-Research Antiplague Institute of Siberia and the Far East
Title : Characteristics of Plague Causal Agent Strains Obtained from Marmots in Tien-Shang

Orig Pub : Izv. Irkutskogo n.-i. protivochumn. in-ta Sibiri i Dal'n. Vost., 1957, 15, 109-112

Abstract : The biochemical cultural characteristics of the plague bacilli strains, obtained in Kirgiziya from marmots, spontaneously diseased by the plague, and their ectoparasites, were studied. According to

Card 1/2

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N. I., LENCHITSKIY, A. Z., AKHUNDOV, M. G., MAMED-ZADE, F. A., KARPUSHEVA, V. M:

"The plague with a natural focus in Azerbaidzhan and its preventive treatment." p. 247

Desyatoye Soveshchaniye po parazitologicheskim problemam i prirodnoochagovym boleznyam. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

Azerbaidzhan Antiplague Station/Baku and the
Antiplague Inst. of the Caucasus and Transcaucasus/Stavropol'

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I.

On the history of the development of live vaccine against tularemia by N.A.Gaiskii. Izv. Irk. gos. nauch.-issl. protivochum. inst. 21:374-378 '59. (MIRA 14:1)
(TULAREMIA) (VACCINES)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I.; AKHUNDOV, M.G.; SAYAMOV, R.M. (Stavropol' krayevoy)

Prevention of infectious diseases in the Democratic Republic of Vietnam. Sov. zdrav. 19 no. 4:76-82 '60. (MIRA 13:10)
(VIETNAM--COMMUNICABLE DISEASES)

APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4"

"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.I.; SKLYAROV, V.Ya.; ALIKPEROVA, Sh.M.; NADZHAROV, A.F.; DZEBISASHVILI, Yu.I.; MNATSAKANYAN, A.G.; ODINOCHENKO, O.N.; AZUGAROVA, M.Kh.; ZYUZIN, A.S.

Morbidity from anthrax in animals and humans in Ciscaucasia and Transcaucasia in 1960-1961: authors' abstract. Zhur. mikrobiol. epid. i immun. 40 no.5:112-113 My '63. (MIRA 17:6)

1. Iz Nauchno-issledovatel'skogo protivochumnogo instituta Kavkaza i Zakavkazya, Azerbaydzhanskoy, Armyanskoy, Gruzinskoy, Severo-Osetinskoy, Checheno-Ingushskoy respublikanskikh sanitarno-epidemiologicheskikh stantsiy i Azerbaydzhanskoy protivochumnoy stantsii.

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MAKAROV, N.K.

Construction of combined bakeries and flour mills. Khleb. i kond. prom. 1 no.9:30 S '57. (MIRA 10:11)

1. Chernigovskiy khlebokombinat.
(Bakers and bakeries) (Flour mills)

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MAKAROV, N.K.

Increasing labor productivity. Put' i put.khoz. 7 no.2:7 '63.
(MIRA 16:2)

1. Nachal'nik rel'sosvarochnogo poyezda, st. Kalikino, Gor'kovskoy dorogi.
(Railroads—Rails—Welding)

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TIMOFEYEV-RESOVSKIY, N.V., PORYADKOVA, N.A., MAKAROV, N.M., PREOBRAZHENSKAYA, Ye.I.

Radiostimulation of plants. Pt.1: Effect of weak doses of ionizing radiation on plant growth and development. Trudy Inst.biol.UFAN SSSR no.9:129-201 '57 (MIRA 11:9)
(PLANTS, EFFECT OF RADIATION ON)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

COUNTRY : USSR
CATEGORY : Plant Physiology. Water Regimen. I

ABS. JOUR. : RZhBiol., No. 6 1959, No. 24567

AUTHOR : Makarov, N.M.
INST. :
TITLE : Movement of Hygroscopic Water In Wood In the Process of Water Absorption

ORIG. PUB. : Nauchn. dokl. vysh. shkoli, Lesoiżh. delo, 1958, No. 2, 186-192

ABSTRACT : No abstract.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

PORYADKOVA, N.A.; MAKAROV, N.M.; KULIKOV, N.V.

Experiments in radio stimulation of cultivated plants. Trudy Inst. biol. UFAN SSSR no. 13:19-33 '60. (MIRA 14:1)
(Plants, Effect of radiation on)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.M.

Effect of chronic gamma irradiation on peas and vetches. Radiobiologiia 5 no.1:152-155 '65. (MIRA 18:3)

1. Institut biologii Ural'skogo filiala AN SSSR, Sverdlovsk.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.M.

Colored snow flakes. Inform.biul.Sov.antark.eksp. no.13:48 '59. (MIRA 13:8)
(Antarctic regions--Snow)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

KOTLYAKOV, V.M.; KUZNETSOV, M.A.; MAKAROV, N.M.; AVSYUK, G.A., otv.red.; OGANOVSKIY, P.N., red.

[Second Antarctic Continental Expedition; snow cover] Vtoraia Kontinental'naia Antarkticheskaia ekspeditsiia; snezhnyi pokrov. Moskva. (Materialy gliatsiologicheskikh issledovanii). No.3. [Laboratory studies in Mirnyy; station observations at Pionerskaya] Laboratornye issledovaniia v Mirnom; statsionarnye issledovaniia na Pionerskoi. 1960. 150 p.

(MIRA 14:3)

1. Akademiya nauk SSSR. Institut geografii.
(Antarctic regions--Snow)

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MAKAROV, N.M., inzh.

Protective network using a.c. with commercial frequency. Elek. sta. 31 no.12:81-D '60. (MIRA 14:5)
(Electric protection)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.M., inzh.

Basic requirements of the loading and unloading equipment used in grain transportation. Trudy MIEI no.17:102-110 '61.
(MIRA 14:11)
(Grain--Transportation--Equipment and supplies)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.N

YEFIMOVA, A.A., kand.med.nauk; MAKAROV, N.N.; VASIL'YEV, A.V., vrach; YARINA, L.N., vrach; POLIKARPOVA, M.G., vrach-kosmetolog; POPOV, I.P., kand. biol.nauk; SUBBOTINA, G.I., vrach

Advice from "Zdorov'e". Zdorov'e 3 no.12:28-29 D '57. (MIRA 11:1)
(HYGIENE)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

DMITRICHENKO, S.S. kand. tekhn. nauk; KUGEL', R.V., kand. tekhn. nauk; MAKAROV, N.N., inzh.; NEYCHENKO, V.G., inzh.

Accelerated testing of the strength of tractors on a proving ground. Trakt. i sel'khozmash. 33 no.7:1-5 Jl '63. (MIRA 16:11)

1. Gosudarstvennyy soyuznyy nauchno-issledovatel'skiy traktornyy institut.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

SHCHUPAK, P.L., inzh.; MAKAROV, N.N., inzh.

Proving ground for determining the traction and coupling indices of tractors. Trakt. i sel'khozmash. no.10:[illegible] O '64.

1. Odesskaya NIIS Gosudarstvennogo soyuznogo nauchno-issledovatel'skogo traktornogo instituta.

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

LEBEDINSKIY, V.I.; MAKAROV, N.N.

Geological position and genesis of the Orlik Massif of pink granites (Dnieper Valley, Ukrainian SSR). Dokl. AN SSSR 107 no.1:141-144 Mr '56. (MLRA 9:7)

1. Dnepropetrovskiy gosudarstvennyy universitet imeni 300-letiya vossoyedineniya Ukrainy s Rossiyey.
(Dnieper Valley--Geology, Structural)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, Nikolay Nikolayevich

ZRYAKOVSKIY, Matislav Sergeyevich; MAKAROV, Nikolay Nikolayevich; KUMKES, S.N., red.; VILENSKAYA, E.N., tekhn.red.

[Secret of Yakut diamonds] Taina iakutskikh almazov. Moskva, Geo. izd-vo geogr. lit-ry, 1958. 108 p. (MIRA 11:5)
(Yakutia--Diamonds)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, Nikolay Nikolayevich; VYAZOV, Ye.I., red.; VILENSKAYA, E.N., tekhn.red.

[On the banks of the Pechora; travel notes] Na beregakh Pechory; putevye zametki. Moskva, Gos.izd-vo geogr.lit-ry, 1959. 107 p. (MIRA 12:5)

(Pechora Valley--Description and travel)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, Nikolay Nikolayevich; ZHYAKOVSKIY, Mstislav Sergeyevich

[On the wide open spaces of Buryat Mongolia] Na prostorakh Buriatii. Moskva, Sovetskaia Rossiia, 1959. 238 p.
(MIRA 13:8)

(Buryat-Mongolia)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

LEBEDINSKIY, Vladimir Ivanovich; MAKAROV, Nikolay Nikolayevich; YURK, Yu.Yu., doktor geol.-miner. nauk, otv. red.; CHEKHOVICH, N.Ya., red. izd-va; RAKHLINA, N.P., tekhn. red.

[Volcanism of the Crimean Mountains]Vulkanizm Gornogo Kryma. Kiev, Izd-vo Akad. nauk USSR, 1962. 206 p. (MIRA 15:12)
(Crimean Mountains--Volcanoes)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.N.; SUPRYCHEV, V.A.

Epimagmatic montmorillonite from tuff breccia of paleoliparite in Karadag (Crimea). Dokl. AN SSSR 151 no.1:181-184 Jl '63.
(MIRA 16:9)

1. Institut mineral'nykh resursov AN UkrSSR. Predstavleno akademikom N.M.Strakhovym.
(Karadag Mountain—Montmorillonite) (Breccia)

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"APPROVED FOR RELEASE: 06/20/2000 CIA-RDP86-00513R001031510006-4

MAKAROV, N.N.; SUPRYCHEV, V.A.

Xenogenetic garnet (pyrope-almandine) from igneous rocks in the Crimea. Dokl. AN SSSR 157 no.5:1125-1128 Ag '64. (MIRA 17:9)

1. Institut mineral'nykh resursov, Simferopol'. Predstavleno akademikom V.S. Sobolevym.

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3(4) SOV/6-59-4-16/20

AUTHORS: Yurkina M. I. Candidate of Technical Sciences,
Yeremeyev V. P. Candidate of Technical Sciences,
Makarov N. P. Candidate of Physical and Mathematical Sciences

TITLE: On a Result of the 11th General Assembly of the International Union of Geodesy and Geophysics in Toronto (O rezul'tatakh XI General'noy assamblei MGGS v Toronto)

PERIODICAL: Geodeziya i kartografiya, 1959, Nr 4, pp 59-62 (USSR)

ABSTRACT: At the meeting of the International Gravimetric Commission in Paris in 1956 M. S. Molodenskiy delivered a short report on his method of determining the figure of the real earth. Special attention was then paid to this communication. It eliminated the need of a regulation. In this case, the accuracy of determining the figure and dimensions of the earth only depends on the density and completeness of the gravimetric, astronomic and geodetic surveys on the physical earth's surface. The only condition required for Molodenskiy's method is that the earth's surface has no acute angles, i.e that a certain tangential surface can be laid on each point of the same. Many countries have already provided their areas with a gravimetric survey with one point to every 10 km^2. With

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On a Result of the 11th General Assembly of the International Union of Geodesy and Geophysics in Toronto

the use of gravimetric surveys of such accuracy and density, and of the theory by Molodenskiy the deflections from the vertical for instance can be determined with an accuracy of up to 0".1. According to the theory by Stokes such accuracy can only be attained by carrying out the present gravimetric surveys not on the earth's surface but on a regulated geoid which is however physically impossible. As however, the elements of the external gravitation field, and particularly the deflections from the vertical are necessary to solve different geodetic tasks, attempts were carried out abroad to improve the old traditional way basing on Stokes' theory in order that the accuracy of the conclusions should correspond to the accuracy of the survey. Such an attempt is represented by a suggestion made by Graf Hunter at the 11th Assembly of the International Union of Geodesy and Geophysics in September 1957. He suggested to consider the gravitational anomalies to be measured in points on the physical earth's surface. Graf Hunter did however not consider the changes in the deflections from the vertical, nor did he put forward methods of considering these changes. As can be seen from

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On a Result of the 11th General Assembly of the International Union of Geodesy and Geophysics in Toronto

the paper by A. A. Izotov (Ref 3), the Assembly did not recognize the importance of the report by M. S. Molodenskiy though it had been submitted to it. In this connection, the fault in Izotov's [illegible] pointed out. He asserts that Graf-Hunter is in agreement with Molodenskiy's method but suggests to solve the problem in a different way. Also the assertion by Izotov (Geodeziya i kartografiya, 1958, Nr 7) that Molodenskiy suggests a formula of the Stokes type generalized by him is not correct. The known Stokes'formula is obtained as a special case of Molodenskiy's theory. Finally, the authors of the present paper express their astonishment at the fact that the Assembly approved the method by Graf-Hunter as corresponding to the requirements of Stokes' theorem. There are 4 references, 2 of which are Soviet.

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SHOKIN, Panteleymon Fedorovich; BULANZHE, Yu.D., retsenzent; LOZINSKAYA, A.M., retsenzent; VESELOV, K.Ye., retsenzent; KHEYFETS, M.Ye., retsenzent; MAKAROV, N.P., retsenzent; MAKAROV, N.P., retsenzent; ALEKSANDROV, S.Ye., red.; VASIL'YEVA, V.I., red.izd-va; ROMANOVA, V.V., tekhn.red.

[Gravimetry; apparatus and methods for gravity measurement.] Gravimetriia; pribory i metody izmereniia sily tiazhesti. Moskva, Izd-vo geodez.lit-ry, 1960. (MIRA 13:5)
(Gravity)

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YURKINA, M.I.; MAKAROV, N.P.; YEREMEYEV, V.F.

Present state of theories applied to the study of the earth's physical surface. Trudy TSNIIGAIK no.139:45-59 '60. (MIRA 14:7)

(Earth--Figure)

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BROVAR, Vsevolod Vladimirovich; MAGNITSKIY, Vladimir Aleksandrovich; SHIMBIREV, Boris Pavlovich; [redacted], M.I., retsenzent; MAKAROV, N.P., retsenzent; VIROVTS, A.M., retsenzent; VASIL'YEVA, V.I., red. izd-va; [redacted], V.S., tekhn. red.

[Theory of the earth's figure] Teoriia figury Zemli. Pod obshchei red. V.A.Magnitskogo. Moskva, Izd-vo geodez. lit-ry, 1961. 256 p. (MIRA 15:3)
(Earth--Figure) (Gravity)

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BELYY, M.I.; MAKAROV, N.P.

Ferrodynamic rectangular coordinate vector-measuring device.
Izm.tekh. no.11:43-44 N '61. (MIRA 14:11)
(Magnetic instruments)

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